

FIG. 1

0967574-100300

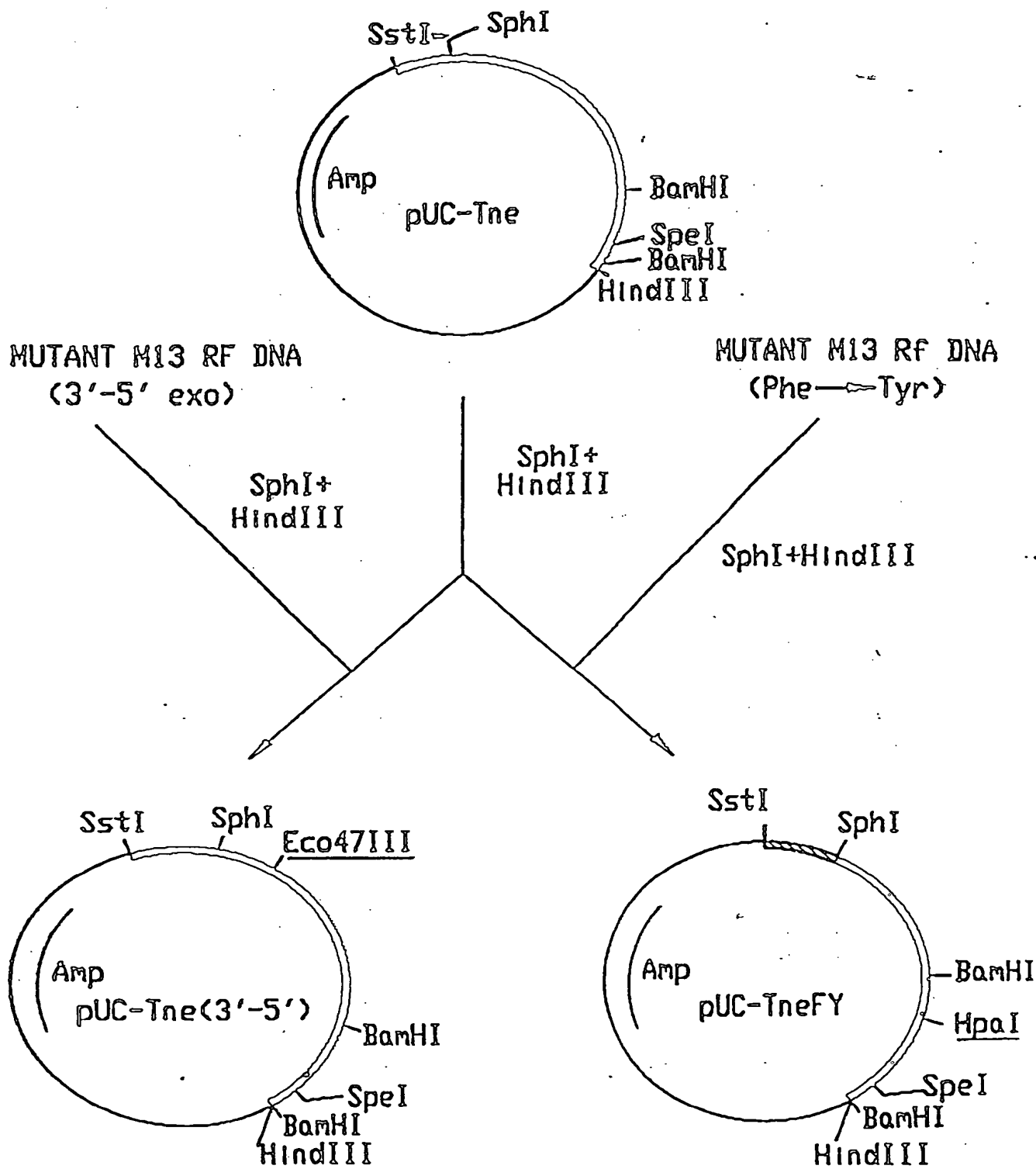


FIG. 2.A

000001-4/5/7960

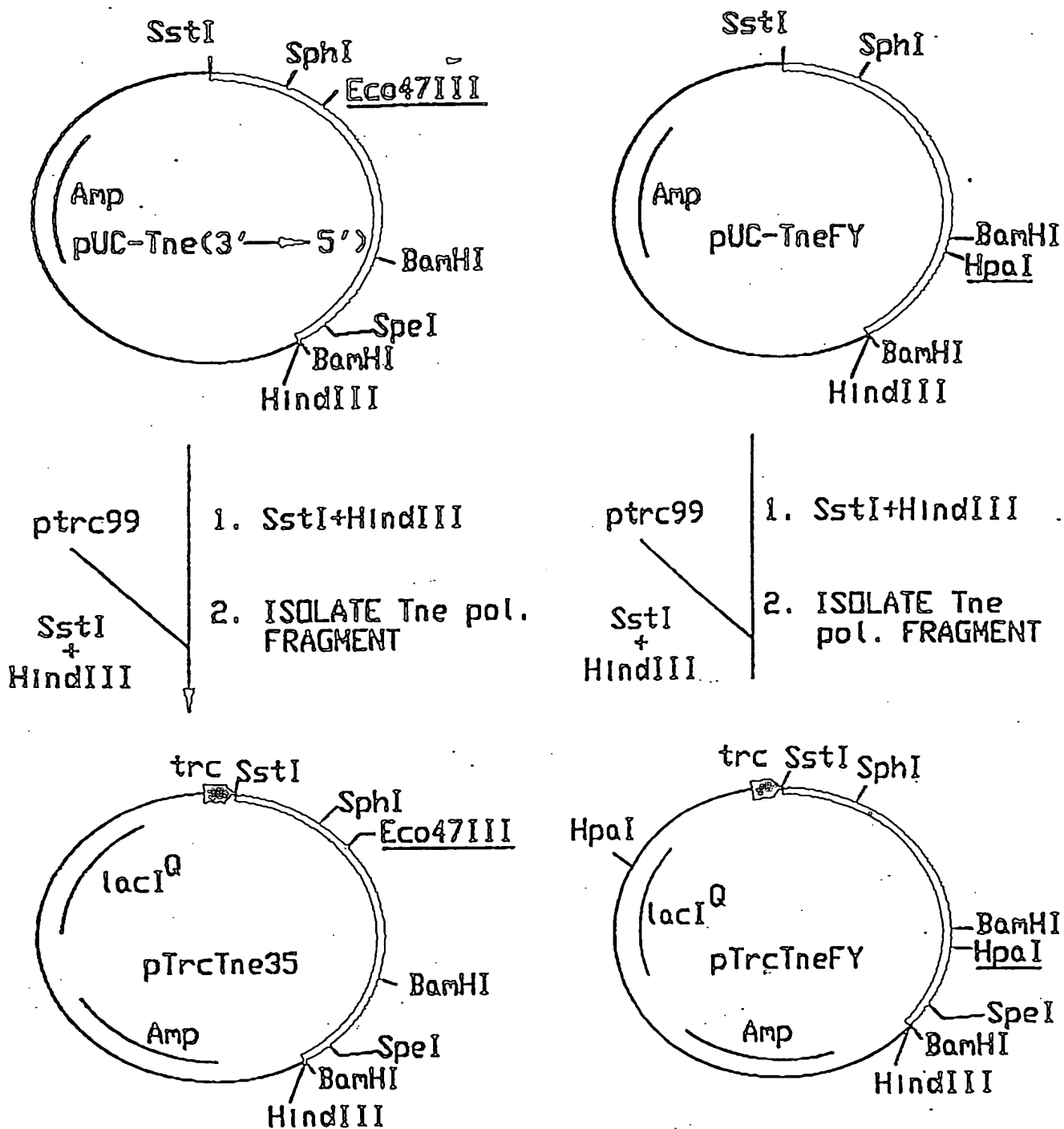


FIG. 2B

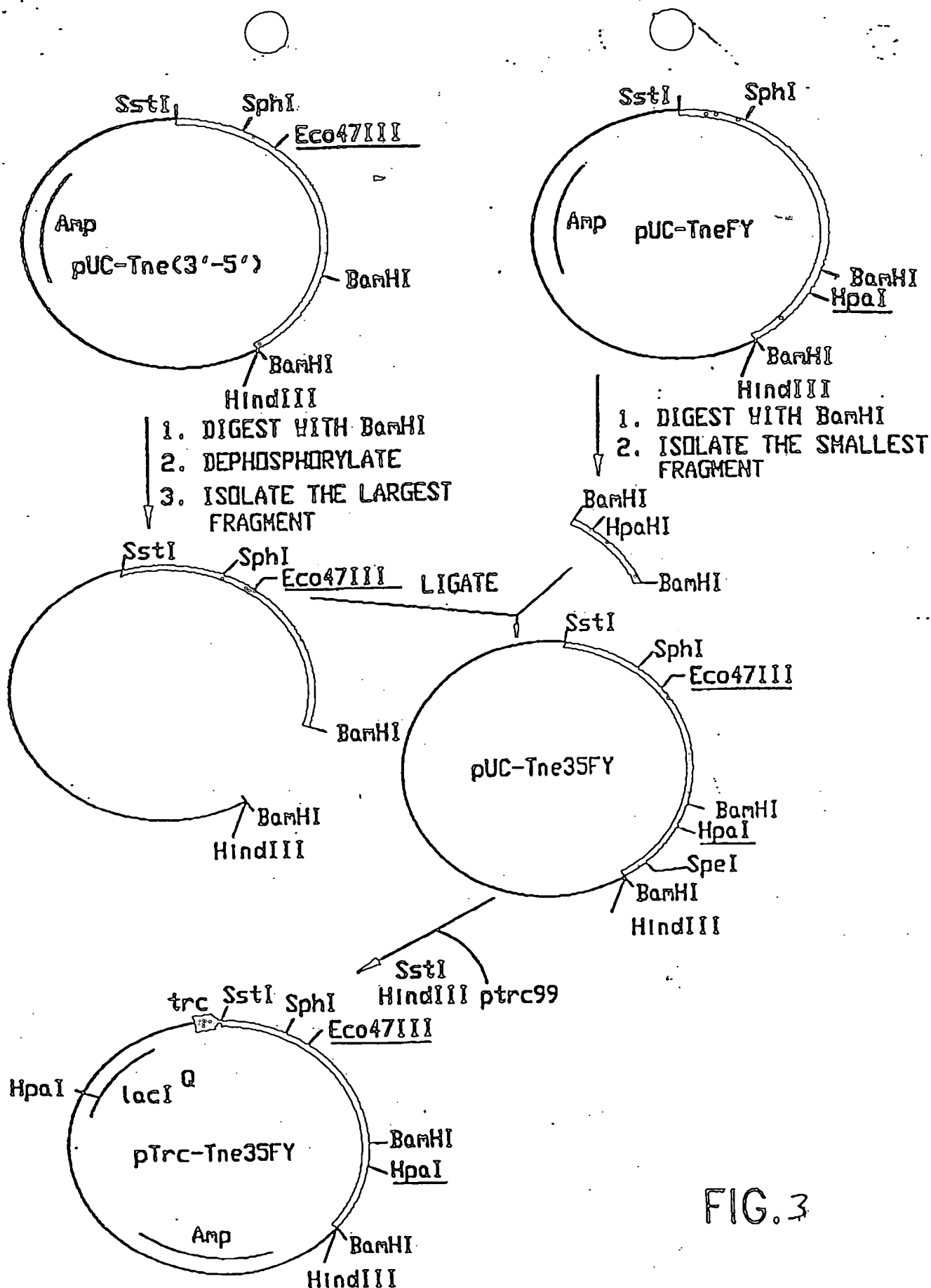
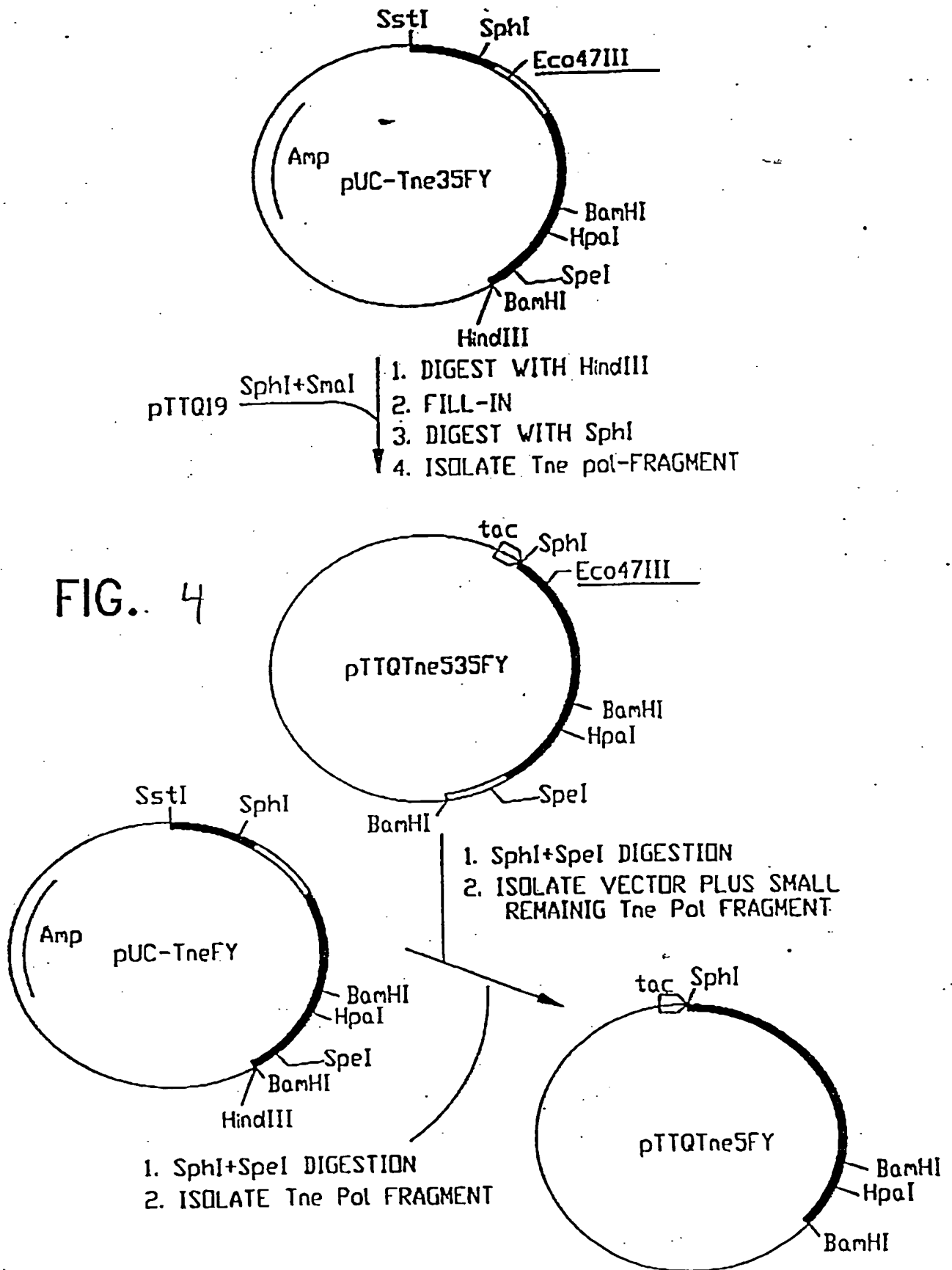
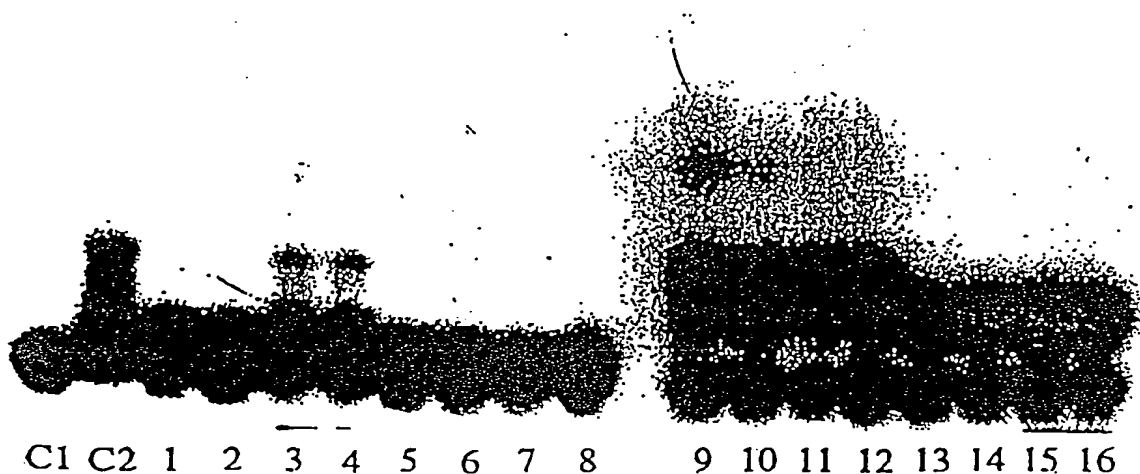


FIG. 3



* CAAGGT
+ dGTP, dCTP, ddATP

* CAAGGT
+ dGTP, TTP, ddATP



C1 Primer alone
C2 Reaction with dGTP, dCTP, TTP, ddATP and Tne DNA Polymerase (D137A, D323A, F730Y)
1.2:9,10 Taq DNA Polymerase
3.4:11,12 Tne DNA Polymerase (D137A, D323A)
5.6:13,14 Tne DNA Polymerase (D137A, D323A, R722Y)
7.8:15,16 Tne DNA Polymerase (D137A, D323A, R722L)

Figure 5

Diagram of a circular plasmid vector, pTRQ-Taq. The plasmid contains several antibiotic resistance genes: amp (ampicillin resistance), lacI α (lac operon repressor), and lac (lac operon). It also features a multiple cloning site (MCS) with restriction enzyme sites: KpnI, HindIII, XhoI, NgoAII, BamHI, XbaI, SalI, and SphI. The origin of replication (ori) is indicated by a shaded region.

Fig. 6